



USING INTERNET PROTOCOL (IP) IN RADIO ACCESS NETWORK

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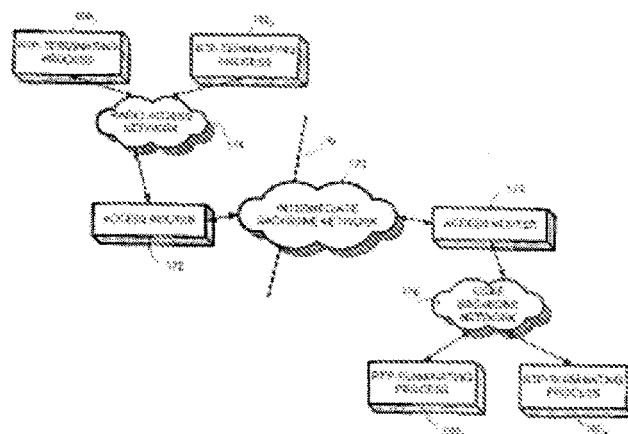
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A telecommunications system has a protocol architecture over an interface between nodes of the telecommunications system, the protocol architecture including Internet Protocol as a protocol above a link layer protocol in a transport network layer. The protocol architecture can be used over one or more of several interfaces, including the interface between a radio access network and a core network [lu Interface]; the interface between radio network controllers (RNCs) and the base stations (BSs) served thereby [lub Interface]; and the interface between a Source RNC (SRNC) and a Drift RNC (DRNC) [lur Interface]. A new XTP Protocol is proposed as another aspect of the invention, which is usable in a protocol stack for the lu-PS (packet switched) implementation as well as over the lu-CS, lub, and lur Interfaces.



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